

a commutator fixed to an end portion of said shaft and having a plurality of segments to which both end sections of said coil portions are electrically connected;

brushes made to respectively abut against the surfaces of said segments of said commutator; and

equalizers for connecting said segments, which are to be at equal electric potential, to each other,

wherein n of said coil portions are parallel-connected between said segments

where n is a common divisor of the number of the magnetic poles and the number of the slots and equal to or more than 2, and

wherein said coil portions are disposed in magnetically symmetrical different slots.

2. (Amended) The dynamo-electric machine according to claim 1, wherein each of said coil portions comprises a plurality of small coil portions parallel-connected to one another.

3. (Amended) The dynamo-electric machine according to claim 1, wherein the number of the slots and the number of the segments are 22, wherein the number of poles is 4, and wherein two of the coil portions are parallel-connected between each pair of said segments.

4. (Amended) The dynamo-electric machine according to claim 1, wherein said conductor and said equalizer are constituted by members made of a same material, and wherein said winding is connected to said equalizers.

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5. (Amended) The dynamo-electric machine according to claim 1, wherein said conductor is an enamel-coated round wire.

6. (Amended) The dynamo-electric machine according to claim 1, which is a motor for use in an electric power steering system.